Work Orde November-30-12				*94093*											
Item ID: Revision ID:	D3916-041		,	Accept	*N900	<b>040</b>	100	)* s	Setup Star	*N	S1*				
Item Name:	Rib Assembly		6						Sto	P *N	S2*				
Start Date:	12/12/12	Start Qty: 2.00	*21*		Cust Item I	Đ:									
Required Date:	12/12/12	Req'd Qty: 2.00	*2*		<b>Customer:</b>										
Reference:			•						***						
Approvals:	Process Pla	in: MLJ	Date: 12-12-03	Tooling:	Da	ate:		F	Run Sta	1/1	R1*				
	QC:		Date:	SPC (Y/N):	Da	· •		Sto	*N	R2*					
Sequence ID/ Work Center II	)	Operation Description		Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp				
Draw Nbr	Rev	ision Nbr													
D3916	A														
100				0.00	•			(67)							
*100* Large Fab		Мето		0.00						· — <del> </del>	. *************************************				
Large Fab		*** Make I side of tube 3- Trim acc	e 50"  be with manuel pipe bender a line at 9.00" and use jig for or when bending***  cess tube material to finish size chamfer holes as per dwg D	ther lines, and ensure se ze as per dwg D3916		13-0	, -2¢	<b>,</b>							
105		QC6- Inspect dimension	ns to drawing	0.00							DAS				
*105*								6	ø		0As 19 &89				
QC		Memo		0.00	. <i>A</i>				-(		13.01.22				
Quality Control					Mary Control of the C						J . J .				

SS 13.01.02

	DQA:	Date:
WORK OPPED NON CONFORMANCE / LIPPATE		

NCR: Y	es / <b>No</b>				WORK ORDER NON-	CONFO	KIV	MANCE / UPDATE		QA Closed:	Date				
Work Orde	r·				DISPOSITION			A	GAINST DEP	ARTMENT	PROCESS				
Part N	0.				Rework Scrap Use-as-is	The	Skid-tube Crosstube Small Fab Thermoforming Finishing				Water Jet d. Eng. Coor. e/Packaging	Engineering Quality Other			
NCR No.					Work Order Update	]	Į	Large Fab Cor	mposite		Supplier				
Root Cause	Date	Step	Qty		ption of work order update or Non-conformance	Initia Chief E	1	Action Description	n j	Sign & Date	Verification	QC Inspector			
Doc/Data	Dute	эсер	Qty		or worr comormance	Cinci z	-116	Description		Date	Vermedien	Qu'inspector			
Equip/Tooling Operator															
Material						ļ									
Setup			1				l								
Other															
Process															
Supplier															
Training															
Unapproved															
			•	<u> </u>	•	AULT CA	ATEG	GORY			<u> </u>				
Landin	g Gear				General										
Γ	Bending				Bend	Grai	in			Ovalized		Pressure/Forced			
	Centre No	ot Conce	ntric to (	o/s	BOM/Route	Hard	dwar	e .		Over/Under	tolerance	Temperature/Cure			
<u>ا</u> لان	Cracks			-	Broken/Damaged	Insp	ectio	on Incomplete		Part Incorre	ct	Weld			
<b>(</b> 1)	Crushed/	Crimped,			Burrs	Instr	ructio	ons Incomplete/Unclea	ar 🗌	Part Lost/Mi	issing	Wrong Stock Pulled			
· • •	Cuffs				Contamination	Mai	inter	nance		Part Moved	_				
	Heat Trea	nt			Countersink	Misl	label	ed		Positioned V	Vrong				
	Inspection	n Strip in	Tube		Cut Too Short	Misr	read			Power Loss/	Surge	Other			
	Ripples in	-			Drill Holes	Offs	et				_	•			
	Torque Waves in Extrusion Drawing						of C	alibration	•	11 - 118					
Ţ	Turning S	equence		-	Finish	Out	Out of Sequence								
Ī	Wave/Tw	oe .		Folio	Out	side	Dimensions								

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November-30-1	2 8:41:36 AM	1									
Item ID: Revision ID: Item Name:	D3916-041 Rib Assembly			Accept	*N900	<b>040</b>	100	* s	etup Start Stop	1.0	S1* S2*
Start Date: Required Date: Reference:	12/12/12	Start Qty: 2.00 Req'd Qty: 2.00	*2* *2*		Cust Item I Customer:	D:				14	
Approvals:		nn:		Tooling: SPC (Y/N):		ate:		R	tun Start Stop	171	R1*
Sequence ID/ Work Center I 107 *107* Large Fab Large Fab		Operation Description Weld per dwg A/R S.S.	rod Batch: M/27/36	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	R2* Insp. Stamp
*110 *110* QC Quality Control		QC5- Inspect part comp	leteness to step on W/O	0.00				<u></u>	13-01-	<b>3</b> 4	QAS 09
*120 *120* QC Quality Control		QC10- Inspect visual pe	r QS1004- ground welds	0.00				<u>(B)</u>	13-01-2	<u> </u>	DAG 099

NCR: Y	NCR: Yes / No WORK ORDER NON-CONFORMANCE / UPDATE													
											QA Closed:	Date	:	
Work Orde	er: _					DISPOSITION AGAINS					PARTMENT	/PROCESS		
Part No						Rework Skid-tube Crosstube  Scrap Machining Small Fab  Use-as-is Thermoforming Finishing  Work Order Update Large Fab Composite				Small Fab Finishing	Water Jet Engineer Prod. Eng. Coor. Qua Rec/Store/Packaging Otl Supplier			
Root					Descri	ption of work order update	П	Initial	Acti	ion	Sign &			
Cause	- 1	Date	Step	Qty		or Non-conformance	Ch	nief Eng	Descr	iption	Date	Verification	QC Inspector	
Doc/Data Equip/Tooling Operator Material Setup Other Process Supplier Training Unapproved														
						·	AUL	T CATE	GORY					
Landi 	Bending Centre Not Concentric to O/S Cracks Crushed/Crimped Cuffs Heat Treat Inspection Strip in Tube Ripples in Bend Torque Waves in Extrusion			Tube	General Bend BOM/Route Broken/Damaged Burrs Contamination Countersink Cut Too Short Drill Holes Drawing		Instruct Mainte Mislabe Misread Offset Out of O	ion Incomplete tions Incomplete/U enance eled d Calibration	Jnclear	Ovalized Over/Under Part Incorre Part Lost/M Part Moved Positioned N	Pressure/Forced Temperature/Cure Weld Wrong Stock Pulled Other			
1	Turning Sequence Finish						1	JOUT OF S	Sequence					

**Outside Dimensions** 

DQA:

Date:

Wave/Twist in Tube

Folio

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<b>Work Orde</b> November-30-12				*940					Page 3	3			
Revision ID:	D3916-041 Rib Assembly			Accept	*N900	)*	Setup	Start Stop		S1* S2*			
Start Date: Required Date: Reference:	12/12/12 12/12/12	Start Qty: 2.00 Req'd Qty: 2.00	*2* *2*		Cust Item I Customer:	D:							
Approvals:	Process Pla	ni:	Date:	Tooling: SPC (Y/N):	Date:			I	Run	Start Stop	*N *N	R1* R2*	
Sequence ID/ Work Center II 130 *130* Packaging Packaging		Operation Description Identify as per dwg & Sto	ock Location:	Set Up/ Run Hours 0.00	Tool ID	Tool#	Plan Code	Accept Qty	Qt	•	Reject Number	Insp. Stamp  OAS  09	-

\*14**0**\*

140

Memo

QC21- Final Inspection - Work Order Release

0.0

Quality Control

0.00

0.00

pl13-01-24

											DQA:	Date:	
NCR:	Yes	/ No				WORK ORDER NON-C	COI	NFORM	AANCE / UPDAT				
						T		<del>,</del>			QA Closed:	Date:	·
Work Ord	or.					DISPOSITION							
WORK Ord	CI.				<del> </del>	Rework		Skid-tube C	rosstube		Water Jet	Engineering	
Part 1	No.				•	Scrap							Quality
						Use-as-is			noforming	Finishing	Rec/Sto	re/Packaging	Other
NCR I	No.					Work Order Update	Large Fab Composite Supplier						
Root					Descri	ption of work order update		Initial	Action		Sign &		
Cause		Date	Step	Qty		or Non-conformance	Cr	nief Eng	Descriptio	on	Date	Verification	QC Inspector
Doc/Data			1						,				
Equip/Tooling	L												
Operator		]				•			·				
Material						•				•			
Setup					•	-					1		
Other												[	
Process	L				. •								
Supplier					,					:			
Training				*									
Unapproved			:										
						F	AUI	LT CATE	GORY				· · · · · · · · · · · · · · · · · · ·
Landi	ng (	Gear				General		_			•		_
	L	Bending			L	Bend		Grain			Ovalized	L	Pressure/Forced
		Centre N	ot Conce	ntric to	o/s	BOM/Route		Hardwa	re	`_	Over/Under	tolerance	Temperature/Cure
	1	Cracks		Broken/Damaged		Inspecti	on Incomplete		Part Incorre	ct	Weld		
	Crushed/Crimped Burrs					Burrs		Instruct	ions Incomplete/Uncle	ear	Part Lost/M	issing	Wrong Stock Pulled
Cuffs Contamination					Contamination		Mainte	enance		Part Moved			
		Heat Trea	at			Countersink		Mislabe	eled		Positioned \	<b>V</b> rong	
		Inspectio	n Strip in	Tube		Cut Too Short	Misread Power Loss/Surge Ot				Other		
Ripples in Bend Drill Ho						Drill Holes		Offset			_	_	·

Out of Calibration

Out of Sequence

Qutside Dimensions

Turning Sequence

Wave/Twist in Tube

Torque Waves in Extrusion

Drawing

Finish

Folio

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Work Order ID:

94093

Parent Item:

D3916-041

Parent Item Name:

Rib Assembly

**Start Date: 12/12/12** 

Required Date: 12/12/12

Start Qty: 2.00

Required Qty: 2.00

Comments:

IPP RevA: New issue DD verified by:EC verified by:EC

IPP Rev:B as per dwg revA 10.03.15

	verified by:EC												
Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D3759-1		Manufactured	No			100	Each	268.0000	7	14	10 1		
Bushing					•	•			- (	×42) (	M /3	3-1-2	?3
				Location		Loc Qty	<u>Lo</u>	c Code					
		•		WA004		268							
				664	189	1			`				
				792		1						-	
				834		7							
				865 897		20 29			<del></del>				
				907		210			(x)	47)			
<b>M304TS0.750W.049</b> 304 SQ Tube .75x.75x.049	9 <b>W</b>	Purchased	No			100	f	885.4588	4.166	Ja 2705	262 - 20 SA=	6.3/15 <u>13-0</u>	- 1-2/
				Location		Loc Qty	Lo	c Code					
				MAT017		1.0078107							
				121	1898	1.0078107							
				WA006		884.451003							
				122	2201	0.1626							
					2425	11.3045489							
			*		2666	0.7293						ŕ	
					2 <del>710</del> 3219	2.2431			2/	241			
					3484	316.787768 553.223686		•	<u> 26.</u>	<del>-111/-</del>			
	•			12.	707	JJJ.22J000							

										- DQA	:Date	:
NCR:	Yes / 1	lo			WORK ORDER NON-	COI	NFORN	MANCE / UPI	DATE	QA Closed	: Date	;
Work Orde	or:			·	DISPOSITION AGAINST DEPARTMENT/PROCESS							
Part I	No				Rework Scrap Use-as-is Work Order Update		Engineering Quality Other					
Root				Descri	ption of work order update	$\top$	Initial	Act	ion	Sign &		
Cause	Da	te Step	Qty	(	or Non-conformance	Ch	nief Eng	Descr	ription	Date	Verification	QC Inspector
Doc/Data Equip/Tooling Operator Material Setup Other Process Supplier Training Unapproved									<b>G</b>			
					F	AUL	LT CATE	GORY				
Landi	Crack Crush Cuffs Heat	e Not Conco s ed/Crimped Treat	d,	//S	General Bend BOM/Route Broken/Damaged Burrs Contamination Countersink		Grain Hardware Inspection Incomplete Instructions Incomplete/Unclear Maintenance Mislabeled			Part Incorr Part Lost/f Part Move Positioned	Missing d Wrong	Pressure/Forced Temperature/Cure Weld Wrong Stock Pulled
	Inspection Strip in Tube				Cut Too Short Drill Holes	$\vdash$	Misread Power Loss/Surge Oth					

Out of Calibration

Out of Sequence

Outside Dimensions

Turning Sequence

Wave/Twist in Tube

Torque Waves in Extrusion

Drawing

Finish Folio







